

# Patent [19]



[11] Patent Number: 10337442

[45] Date of Patent: Dec. 22, 1998

---

[54] DEODORIZER

[21] Appl. No.: 09147677 JP09147677 JP

[22] Filed: Jun. 05, 1997

[51] Int. Cl.<sup>6</sup> B01D05386; B01D05386; B01J02106; B01J03502

## [57] ABSTRACT

**PROBLEM TO BE SOLVED:** To enable using as a thin shaped portable type post-attachment device by especially installing on a dash board in a vehicle, in a deodorizer utilizing activation of an oxidation action due to a photocatalyst represented by titanium oxide, etc.

**SOLUTION:** This device is constituted to install a photocatalyst filter 1 installed the photocatalyst 1 such as titanium dioxide on the surface 1A, activated the oxidation action by receiving light, and capable of deodorization or air cleaning, and a blower device 2 for blowing the outside air to the photocatalyst filter 1 in a case 3. A light introduction part 4 for introducing light into the photocatalyst filter 1 is provided in the case 3, and many number of ventilation spaces 5 for allowing the blowing air to pass through the photocatalyst filter 1 are constituted to be provided side by side. The surface 1A of the photocatalyst filter 1 coming into contact with the blowing air is made into a large area, and the ventilation direction B of the blowing air through the ventilation space 5 is made to be nearly in the same direction as the irradiation direction A of the light from the light introduction part 4 to the photocatalyst filter 1, and the surface 1A of the photocatalyst filter 1 receiving irradiation of the light is made into a larger surface.

\* \* \* \* \*